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A BIBLIOGRAPHY OF PHYSICAL TRAINING

By J. H. McCURDY, M. D.

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Physical Training Bibliography

J. H. McCURDY, M. D.

INTRODUCTION

This bibliography is presented to the teachers and students of physical training at the earnest request of the Physical Directors' Society of the Young Men's Christian Associations. A committee was appointed by the society at the World's Fair meeting in St. Louis in the summer of 1904. This committee consisted of J. H. McCurdy, J. H. Scott, and George T. Hepbron. They were instructed to publish a physical training bibliography. J. H. Scott and George T. Hepbron were made responsible for the raising of the funds necessary for publication. The financial committee secured over one hundred advance orders for the book, and in addition subscriptions from the following gentlemen: M. B. Rideout, W. Y. Reithard, George T. Hepbron, W. H. Ball, W. G. Truex, George J. Fisher, M. D., C. R. H. Jackson, J. B. Modesitt, J. W. Waters, C. E. Beckett, Fred West, W. H. Flood, A. B. Wegener, E. A. Sovereign, Frank Killam, G. F. Poole, M. D., George L. Meylan, M. D. The preparation of the bibliography was referred to J. H. McCurdy.

The object of this work has been to present a subject index of the physical training literature which would be helpful to the physical director and other students of physical training. The inspiration for this work came from Mr. J. T. Bowne some sixteen years ago; the preparation of the material began in 1895. The first task was the arrangement of a method of classification; this was prepared jointly by J. T. Bowne and J. H. McCurdy. The third edition of the classification appears in this book.

Librarians, physical directors, and students who use this bibliography should note that it may be used in connection with Dewey's "Decimal Classification." This classification is arranged primarily for physical training matter; with the exception of P100—P199 it is an enlargement of Dewey's 613.71. The material included in P100—P199 is covered by Dewey, but was placed in this classification because it was felt that many directors would not care to use the large classification used by librarians. Students with large general libraries should adopt Dewey's classification for all except the physical training section of their library. If Dewey's classification is used for the general sections of the library, then the subjects included under P100—P199

should be excluded from the physical training classification, as they have ample space in Dewey's general classification.

The sources of physical training literature are widely scattered, and this has vastly increased the labor of preparation. Some of the chief sources of information have been the books in the International Young Men's Christian Association Training School library, the files of the Bibliographica Medica, Concilium Bibliographicum, American Index Medicus, Surgeon-General's Index of the United States Government, and of Poole's Periodical Index. The various book indexes were also examined. Considerable valuable matter was found scattered through the various general bibliographies. The technical physical training magazines have not as a rule been classified by the general periodical indexes. Valuable material has also been found in some of the college magazines, particularly the Harvard Graduate Magazine. No bibliography is ever complete. It is hoped the publication of this book will stimulate others to continue the work. A careful study of the references to the beginnings of physical training in various localities would stimulate a deeper interest in the subject. The study of the movement in Boston is an example of what might be done. (See American Physical Education Review, March, 1897.)

I am indebted to Dr. A. T. Halsted and Mr. G. B. Affleck for their cooperation. Mr. Elmer Berry gave material assistance in the preparation of the historical section. Dr. W. T. Porter and Dr. Theodore Hough gave assistance in the parts on the physiology of exercise and hygiene. Dr. George L. Meylan helped with the French titles and suggested valuable additions to the section on anthropometry. I am indebted to Dr. Luther Halsey Gulick for inspiration in the beginnings of this work.

To

My Wife,

Whose earnest co-operation has made possible the

preparation of this bibliography

CLASSIFICATION FOR PHYSICAL TRAINING

WITH A COMPLETE INDEX

For the use primarily of Physical Directors
and others engaged in the Study or
Practice of this Subject.

THIRD EDITION, REVISED AND ENLARGED

BY J. H. McCURDY, M. D., AND J. T. BOWNE

SPRINGFIELD, MASS.
1905

NOTE

This scheme is the outgrowth of more than thirteen years' experience with one of the largest collections of works on Physical Training. It is intended primarily for the use of specialists engaged in the study and practice of this subject.

If used in connection with Dewey's "Decimal Classification," it may be inserted at 613.71, in which case the whole of class P100—P199 might be omitted, as Dewey provides for it elsewhere in his scheme.

In the more than two hundred and fifty sub-classes it is believed a place will be found for anything bearing upon the subject—books, pamphlets, newspaper cuttings, notes, circulars, pictures, charts, apparatus, etc.

Whether a collection of material be large or small, its thorough classification will greatly increase its usefulness, and often make apparent for the first time its resources. Such a classification also furnishes in itself a subject catalog of all matter outside of collected works.

For copies of this classification, or further information regarding it, address

Librarian, International Y. M. C. A. Training School,
Springfield, Mass.

Classification for Physical Training

J. H. McCURDY AND J. T. BOWNE

P000 **GENERAL WORKS** on the whole subject of Physical Training.

P010 **Philosophy:**

P011 *Theories,* not included in P012-P014. Discussions.

P012 *Need,* in general: .1, children; .2, defectives, mutes, feeble minded; .3, criminals; .4, neglected classes, street boys; .5, special classes.

P013 *Relationships:* .1, ethical, professionalism, clean sport, competition, politics; .2, educational, will, scholarship; .3, hygienic, including health, body, mind, physicians' views; .4, legal; .5, social; .6, specialization in physical training.

P014 *Play,* influence of physical training only (particular plays go elsewhere).

P020 **Compends:**

P023 *Bibliographies.*

P024 *Sales Catalogs.*

P025 *Collections,* of games and sports in and out of doors, arranged by nations—"Boys' Own Books," etc. (Playground games and school sports, P369. Collections of gymnastics and athletics go under P200 or P300.)

P030 **Cyclopedias:**

P032 *Dictionaries.*

P033 *General Nomenclature.*

P050 **Periodicals:** on whole subject of physical training.

P051 *American.*

P052 *English.*

P053 *German.*

P054 *French.*

P056 *Scandinavian.*

P060 **Societies and Conferences:** great general societies and conferences like A. P. E. A., divided like P050 and alphabetically arranged under nations.

P070 **Normal Education:** gymnastic pedagogy and training of physical directors and volunteer leaders.

P071 *How to interest special classes.*

P076 *Utilization of the club and gang spirit.*

P080 **Systems:**
P081 *German.*
P082 *Swedish.*
P083 *Delsarte*—expressional.
P084 *Y. M. C. A.*
P085 *Military Drill.* (General philosophy of physical training, P010. Physical training in schools and colleges, P920. History, P920.)

P100 **THE SUBJECT OF TRAINING—MAN.** Including all biological science throwing light upon the life of man.

P110 **Physical:** Including animal and vegetable anatomy and physiology as compared with human.
P111 *Anatomy*—structure. Including comparative anatomy.
.1 Anthropometry, Measurements, Charts.
.2 Physical and Medical Examinations.
.3 Animal Mechanics.
P112 *Physiology*—function. Including animal and vegetable physiology; also chemical physiology and physiological physics.
.1 Physiology of Exercise—effect of exercise upon the functions: .11, circulation; .12, respiration; .13, digestion and nutrition; .14, secretion; .15, animal heat; .16, reproduction; .17, motors, motor education, muscular sense, rhythmic action and coördination, voice and skin; .18, nerves—muscular fatigue.
.2 Physiology of Growth—relation of exercise to growth.
.3 Prescription of Exercise. (Medical Exercise, P210.) .31, circulation, palpitation of heart, etc.; .32, respiration; .33, nutrition; .34, muscles and bones—spinal curvature, etc.; .35, nervous system.
.4 First Aid to Injured.
P113 *Hygiene*—health. (Women's exercise, dress, etc., P209.)
.1 Air, Light, Temperature.
.2 Food, Dietetics.
.3 Beverages—tea, coffee, water, etc.
.4 Baths, Clothing.
.5 Habitation and Resort, School Hygiene.
.6 Hygiene of Employment. .61, Overwork.
.7 Hygiene of Exercise, Recreation and Sleep. .71, Health hints. .77, Training. Relation to longevity.
.8 Hygiene of Nervous System. Including action of stimulants and narcotics.
P120 **Mental.** Psychology as related to the physical, spiritual, and social life of man; including animal psychology where it bears upon human.

P130 **Spiritual.** The religious life of man as related to the physical, mental, and social.

P140 **Social.** Sociology where it bears upon the social instincts of man.

P200 **THE EXERCISES—GYMNASTIC.**

P201 *Nomenclature.*

P202 *Management.*

.1 Scoring rules, records, grading of exercises.

.2 Championships, exhibitions, meets, tests, group contests, handicapping.

.3 Finances, cost, expenses.

.4 Photography.

P203 *Encyclopedias and Dictionaries.* (General collections of sports and games, P025.)

P205 *Gymnastic Periodicals.* (Periodicals on physical training, P050.)

P206 *Gymnastic Societies, Clubs.* (Societies for physical training, P060.)

P207 *Training for Gymnastic Events.*

P209 *Physical Training for Women.* .1, Health; .2, Dress; .3, Exercise; .31, Gymnastic; .32, Athletic; .33, Aquatic.

P210 **Medical**—Curative. P211, *Posture*, Corrective; P211.1, Flat foot; P211.2, Scoliosis, kyphosis, lordosis; P212, *Massage.*

P220 **Calisthenics:**

P221 .1, *Marching; .2, Roundel*—fancy steps, skipping, etc.

P222 *Free exercises.*

P223 *Dumb-bells.*

P224 *Indian clubs.*

P225 .1, *Wands; .2, Bar-bells; .3, Poles.*

P230 **Defensive:**

P231 .1, *Boxing; .2, Bag punching.*

P232 *Wrestling.*

P233 .1, *Single sticks; .2, French cane; .3, Walking stick.*

P234 *Fencing.*

P235 .1, *Broad sword; .2, Sabre.*

P240 **Heavy Apparatus:**

P241 *Horizontal bars*—high and low.

P242 *Parallel bars.*

P243 *German horse*—.1, side; .2, long; .3, buck.

P244 .1, *Rings; .2, Ropes* and *Climbing poles; .3, Ladders.*

P245 *Tumbling and Mat work.*

P246 *Pyramids and Roman ladders.*

P247 *Jumping exercises:* .1, *Spring board; .2, Window jumping.*

P248 *Balancing apparatus.*

P260 **Indoor Games:**

P261 .1, *Basket ball; .2, Volley ball; .3, Hoop ball.*

P262 .1, *Baseball;* .2, *Handball;* .3, *Rackets;* .4, *Fives;* .5, *Squash.*

P263 *Bowling.* (Lawn bowls, P361.4.)

P264 Roller polo.

P269 *Other gymnastic games.*

P280 **Developing Apparatus.** Including pulley weights, chest bars, and all patent exercisers for home use.

P300 **THE EXERCISES—ATHLETIC.** P300-307 divided like P200-207.

P320 **Track Athletics:**

P321 *Running and Hurdles,* to one fourth mile.

P322 *Running,* middle and long distance.

P323 *Cycling* on track—racing.

P330 **Field Athletics:**

P331 *Broad jumping*—1, 2, and 3 standing, running, and hop, step and jump.

P332 *High jumping*—standing and running.

P333 *Pole vaulting*—height and distance.

P334 *Weight throwing*—.1, hammer; .2, shot; .3, fifty-six-pound; .4, discus.

P335 *Tug of War.*

P340 **Indoor Athletics:**

P341 *Running,* up to and one hundred yards.

P342 *Running*—middle and long distance, potato races.

P343 *Broad jumping*—standing, running, hop, step and jump.

P344 *High jumping*—standing, running, hop, step and jump.

P345 .1, *Diving*—long and high; .2, *High kicking.*

P346 *Vaulting*—fence, bar and pole.

P347 .1, *Rope climbing;* .2, *Weight throwing;* .3, *Tug of war.*

P360 **Outdoor Games:**

P361 .1, *Baseball;* .2, *Cricket;* .3, *Lacrosse.*

P362 .1, *Tennis;* .2, *Minton.*

P363 .1, *Football;* .2, *Field hockey,* or lawn hockey.

P364 *Golf.*

P365 .1, *Croquet;* .2, *Roque,* or professional croquet; .3, *Golf croquet;* .4, *Tether ball;* .5, *Lawn bowls.*

P369 *Other playground games*—school sports—outdoors *only.*

P370 **Outdoor Recreation**—away from athletic field. (Ice and snow sports, P460-470.)

P370 .1, *Cross country running,* paper chase, hare and hounds.

P371 *Outings, Vacations, Camps.*

P372 *Cycling.* (Cycling on track—racing, P323.)

P373 *Pedestrianism*—walking.

P380 **Sporting:** (Collections of sports and games in general, P025.)

P381 *Hunting,* including shooting. (Fishing, P450.)

P382 *Driving.*

P383 *Horsemanship.*
P384 *Horse racing.*
P385 *Horse polo.*
P386 *Marksmanship:* .1, archery; .2, firearms.

P400 **THE EXERCISES—AQUATIC.** P400-407 like P200-207.

P410 **Boat and Canoe Building,** including rigging and sails.
P420 **Sailing or Yachting,** including cruising and navigation.
P421 *Catboat.*
P422 *Sloop.*
P423 *Schooner.*
P424 *Canoe*—bark, cedar, and canvas.
P427 *Power launches.*
P430 **Rowing and Paddling:**
P431 *Fixed seat.*
P432 *Sliding seat.*
P433 *Paddling.*
P434 *Sculling.*
P440 .1, *Swimming;* .2, *Diving;* .3, *Water Games.*
P450 **Fishing—exclusively.**
P460 **Ice Sports:**
P461 *Skating.*
P462 *Curling.*
P463 *Ice polo.*
P464 *Ice hockey.*
P465 *Ice boating.*
P469 *Other ice games.*
P470 **Snow Sports:**
P471 *Snowshoeing,* including skiing.
P472 *Coasting.*
P473 *Tobogganing.*

P500 **THE ORGANIZATION.**

P510 **Scope, Etc.**
P511 *Need.*
P512 *Limitations.*
P513 *Relationships.*
P514 *International Work.*
P515 *National and Section Work.*
P516 *State and District Work.*
} Methods *only.* (Reports of work *done,* P900-999.) P514-516 include leagues, meets, rules, records, etc.
P520 **Local Organization**—Association, Club, College, Playground, etc.,
P521 *Rules,* including discipline, faculty control, etc.
P522 *Sub-organizations*—bowling clubs, etc.—not committees.
P523 *Officers, Managers, Department Committees*—unpaid service.
P524 *Standing Committees*—leaders' corps, etc.
P525 *Membership*—qualification, how to secure, retain, etc.

P530 **Salaried Officials**—duties and qualifications. (Training, P070.)
P531 *Physical Director and Assistants.*
P532 *Office and Work of Physical Director.*
P533 *Qualifications of Physical Director.*
P534 *Relationships of Physical Director*—to community, etc.
P535 *Personal Suggestions to Physical Director:*
.1 Call to work.
.2 Spiritual and mental growth and health.
.3 Office work, system, economy.
.4 Personal appearance, conversation.
.5 Ladies' company.
.6 Professionalism.
P540 **Methods:**
P541 *Business methods:*
.1 Finance committee.
.2 Annual budget.
.3 Endowments, other sources of income.
.4 Solicitation, collection and disbursement of funds.
.5 Financial bookkeeping.
.6 Debt, taxes, etc.
.7 Records and statistics.
.8 Presentation of work to the public: .81, prospectus; .82, bulletins and newspapers—including paid advertisements; .83, cards, circulars, photographs, etc.; .84, practical talks; .85, exhibitions, programs, awards.
P542 *Religious methods.*
P543 *Educational methods*—library, lectures, etc.
P544 *Social methods.*
P546 *Methods of boys' work.*
P547 *Pedagogical methods.* (See also P070.)
.1 In boys' classes.
.2 In young men's classes.
.3 In business men's classes.
P549 *Janitor's methods*—care, cleaning, safety, police, etc.
.1 Locker rooms and baths.
.2 Bowling alleys.
.3 Gymnasium apparatus.

P600 **THE PLACE**—Building, Field and Equipment.

P610 **Gymnasium**—Location, construction, equipment. School buildings (in relation to exercise).
P611 *Materials* and protection against fire and noise.
.1 Construction of walls, roof and floors.
P612 *Location, size, and coördination of physical department rooms,* with other rooms or buildings.
P613 *Plans*—number and arrangement of rooms.
.1 Directors' offices.

.2 Baths, plunge, etc.
.3 Locker, dressing and toilet rooms.
.4 Bowling alleys.
.5 Special rooms—hand ball, boxing, wrestling, etc.

P617 *Heating, ventilation, and lighting.*

P618 *Fixtures, furniture, school seats, etc.*—not gymnasium apparatus.

P619 *Gymnasium equipment:*
.1 Light apparatus—*e. g.,* bells, wands, etc.
.2 Heavy apparatus—*e. g.,* horse, parallels, etc.
.3 Directors' office apparatus.
.4 Baths and plunge.
.5 Lockers, dressing rooms, water closets.
.6 Bowling alleys.
.7 Special rooms—handball, boxing, wrestling, etc.

P620 **Athletic Field:**

P621 *Soil and drainage*—materials for track, jumping places, tennis courts, etc.

P622 *Location, size, and arrangement of grounds.*

P623 *Grand stand and dressing rooms*—construction, arrangement, etc.

P629 *Athletic equipment.*

P630 **Public Playgrounds:** Outdoor gymnasia.

P631 *School playgrounds.* (Playground games, P369.)

P632 *Park playgrounds.*

P640 **Aquatic Plant**—Ocean, lake, river, etc.

P649 *Aquatic equipment.*

P900 **HISTORY OF PHYSICAL TRAINING**—Reports of work *done* only. (Methods, P500-599. Transactions of great general societies and conferences go in P060.)

P903 *Ancient.*
.2, Egyptian; .3, Jewish; .5, Persian; .7, Roman; .8, Greek.

P904 *Europe.*
.1, Medieval Europe; .2, British; .3, German; .4, French; .7, Russian; .85, Swedish.

P905 *Asia.*
.1, Chinese; .2, Japanese.

P907 *North America.*
.3, United States.

P910 **Biography**—Alphabeted by names or placed under nations, as above.

P920 **Schools:**

P921 *Public schools:* .1, Gymnastics; .2, Athletics; .3, Aquatics.

P922 *Preparatory schools:* .1, Gymnastics; .2, Athletics; .3, Aquatics.

P923 *Colleges and universities:* .1, Gymnastics; .2, Athletics; .3, Aquatics.

P930 **Young Men's Christian Associations:** .1, Gymnastics; .2, Athletics; .3, Aquatics.

P940 **Other Societies and Clubs:** .1, Gymnastics; .2, Athletics; .3, Aquatics.

P941 *German Turners:* .1, Gymnastics; .2, Athletics; .3, Aquatics.

P942 *Army and Navy:* .1, Gymnastics; .2, Athletics; .3, Aquatics.

Index

NOTE. In using any number in this scheme *always precede it with the letter P,* or it may be confused with the same number as used in other schemes of classification and applied to an entirely different subject.

It will in every instance help the classifier, to turn from the subject in the index to the subject in the general scheme, in order to see its setting and relationships; also, in order to see the frequent explanatory notes.

Games with compound names will generally be found only under the first word of the name, *i. e.,* base ball, hoop ball, etc., and not under ball.

Abbreviations: Aqua., aquatics; Ath., athletics; Bldg., building; Gym., gymnastics or gymnasium; Hist., history; Org'n, organization; P. T., physical training; Phys. of Ex., physiology of exercise; Pres. of Ex., prescription of exercise.

Advertising, circulars, cards, etc., P541.83
methods of 541.8
Aid to injured, physiology..... 112.4
Air, hygiene..... 113.1
Anatomy 111
Ancient history P. T..... 903
Angling, fishing..... 450
Animal heat, phys. of ex..... 112.15
Anthropometry 111.1
Apparatus, gymnastics..... 619
heavy 619.2
light 619.1
Aquatic, encyclopedias..... 403
equipment 649
events, training for..... 407
periodicals 405
plant 640
societies 406
Aquatics in general..... 400
Archery, marksmanship..... 386.1
Army and navy..... 942
Asia, history P. T..... 905
Athletic encyclopedias..... 303
events, training for..... 307
exercises in general..... 300
field, arrangement of..... 622
equipment of..... 629
location of..... 622
soil and drainage..... 621
games, general..... 360
nomenclature 301
periodicals 305
societies 306
Athletics on field, in general..... 330
indoors 340
on track in general..... 320
Bag punching..... 231.2
Balancing apparatus 248
Ball of all kinds, under first word of name,
Bar-bells 225.2
Bars, chest..... 280
horizontal 241
parallel 242
Baseball, indoors..... 262.1
outdoors 361.1
Basket ball, indoors..... 261.1
Bath rooms, equipment..... 619.4
plans for..... 613.2
Baths, care of..... 549.1
hygiene 113.4
Bells, bar..... 225.2
dumb 223
Beverages, hygiene..... 113.3
Bibliographies of P. T..... 023
Bicycling, away from field..... 372
on track, racing..... 323
Biography (or put under history by countries or peoples) 910
Boat building 410
Bones, pres. of exercise..... 112.34
Bowling 263
alleys, care of..... 549.2
construction 613.4
equipment 619.6
Boxing 231.1

Boys' classes..... 547.1
work, methods..... 546
British history P. T..... 904.2
Broad jumping, indoors..... 343
track athletics 331
sword exercises 235.1
Budget, financial..... 541.2
Building, the gymnasium..... 610
Business men's classes..... 547.3
methods, general 541
Bulletins and newspapers..... 541.82
Calisthenics, general 220
Camps, outings, etc..... 371
Cane, French 233.2
Canoe, building 410
Canoes, sailing..... 424
Cards, advertising..... 549.83
Care of bowling alleys..... 549.2
lockers and baths..... 549.1
gymnasium apparatus..... 549.3
Caretakers' methods 549
Catalogs of sales..... 024
Catboats 421
Championships 202.2
Chase, paper 370.1
Chest bars..... 280
Children 012.1
China, history P. T..... 905.1
Circulars, advertising..... 541.83
Circulation, phys. of ex..... 112.11
prescription of exercise..... 112.31
Clean sport..... 013.1
Climbing poles and ropes, gym... 244.2
Clothing, hygiene..... 113.4
Clubs, Indian..... 224
Coasting 472
Coffee, hygiene..... 113.3
Collections of athletics..... 300
games and sports..... 025
gymnastics 200
Colleges, history P. T..... 923
Committees, local org'n..... 524
Compends of P. T..... 020
Conferences, P. T., general..... 060
aquatics only..... 406
athletics only..... 306
gymnastics only 206
Control, local organization..... 521
Co-ordination 112.17
Cricket 361.2
Criminals 012.3
Croquet, golf..... 365.3
lawn 365.1
roque 365.2
Cross country runs..... 370.1
Cruising, sailing..... 420
Curling, ice sports..... 462
Curvature of spine, pres. of ex.
112.3, 211.2
Cycling on track, racing..... 323
Cycling, away from field..... 372
Cyclopedias, P. T., general..... 032
aquatics only..... 403
athletics only..... 303
gymnastics only.... 203
Debt, finances..... 541.6
Defectives 012.2
Defensive gymnastics..... 230
Delsarte system of P. T..... 083
Developing apparatus, gym..... 280
Dictionaries, P. T., general..... 032
aquatics 403
athletics 303
gymnastics 203
Dietetics, hygiene 113.2
Digestion, phys. of ex..... 112.13
Director, physical, *see*.....
physical director.....
Directors of local club..... 523
Discipline in organization..... 521
Discus throwing, field..... 334.4
Discussions 011
Diving, indoor athletics..... 345.1
in water..... 440.2
Dressing rooms, equipment..... 619.5
plans for..... 613.3
Driving 382
Dumb bells, calisthenics..... 223
Educational methods, org'n..... 543
Egypt, history P. T..... 903.2
Emergencies, first aid..... 112.4
Employment, hygiene..... 113.6
Endowments, finances..... 541.3
Ethics, relationships..... 013
Europe, history P. T..... 904
medieval history..... 904.01
Examinations, phys. and med.... 111.2
Exercise, effects of..... 112.1
hygiene of..... 113.7
philosophy of..... 010
physiology of..... 112.1
prescription of 112.3
Exercisers, home and patent..... 280
Exercises, free..... 222
Exhibitions, advertising..... 541.85
Exhibitions, athletic..... 302.4
gymnastic 202.2
Expressional syst., Delsarte..... 083
Fatigue, muscular, prescription of
exercise 112.18
Fencing, defensive exercise..... 234
Field athletics..... 330
hockey 363.2
the athletic, situation of..... 620
Finance committee..... 541.1
Finances 202.3, 302.3, 402.3
Finances, local organization..... 541.1
Financial bookkeeping..... 541.5
solicitation, etc..... 541.4
Firearms, marksmanship..... 386.2

First aid, physiology..... 112.4
Fishing 450
Fives 262.4
Fixtures, gym. building..... 618
Flat foot..... 211.1
Food, hygiene..... 113.2
Football 363.1
Free exercises, calisthenic..... 222
French cane..... 233.2
history P. T..... 904.4
Funds, finances..... 541.1
Furniture, gym. building..... 618
Games, indoor, in general..... 260
outdoors, in general..... 360
and sports, general collections of 025
Gang spirit, utilization of..... 076
General works, whole subject of P. T.....(P) 000
German, history P. T..... 904.3
turners in U. S..... 941
horse, buck..... 243.3
long 243.2
side 243.1
system of P. T..... 081
Golf 364
croquet 365.3
Grading 202.1
Grand stand..... 623
Greek, history P. T..... 903.8
Group contests..... 202.2
Growth, physiology of..... 112.2
relation to P. T..... 112.2
Gymnasium apparatus..... 619
building, general..... 610
materials 611
construction of..... 611.1
equipment of..... 619
fixtures and furniture..... 618
heating, ventilating, and lighting 617
location of..... 612
plans for..... 613
protection of..... 611
Gymnastic apparatus, care..... 549.3
encyclopedias 203
events, training for..... 207
games 260-269
nomenclature 201
periodicals 205
societies 206
Gymnastics, calisthenics..... 220
corrective 211
curative or medical..... 210
defensive 230
heavy apparatus..... 240
in general..... 200
Habitations, hygiene..... 113.5
Hammer throwing, field..... 334.1
Handball, indoors..... 262.2
Handicapping 202.2
Hare and hounds..... 370.1
Health, hints..... 113.71
hygiene 113
relation of P. T. to..... 013.3
Health talks..... 541.84
Heart palpitation, pres. of ex.... 112.31
Heating, gymnasium..... 617
Heavy apparatus, gym..... 240
High jumping, field..... 332
indoors 344
kicking indoors..... 345.2
History of P. T., general..... 900
(*see* also country or people)
Hockey, field or lawn..... 363.2
Hockey, ice..... 464
Home exercisers..... 280
Hoop ball, indoors..... 261.3
Horizontal bars..... 241
Horse, German..... 243
Horsemanship 383
Horse polo..... 385
racing 384
Houses, hygiene..... 113.5
Hunting 381
Hurdles to 1-4 mile, track..... 321
Hygiene, general..... 113
of employment..... 113.6
of exercise..... 113.7
of school..... 113.5
Ice boating..... 465
hockey 464
polo 463
sports, general..... 460
Income, sources of..... 541.3
Indian clubs, calisthenics..... 224
Indoor athletics..... 340
games, general..... 260
Injured, first aid to..... 112.4
International methods..... 514
Janitor's work..... 549
Japanese, history P. T..... 905.2
Jewish, history P. T..... 903.3
Jumping, broad, field..... 331
indoors 343
exercises 247
high, field..... 332
indoors 344
places, materials for..... 621
spring board..... 247.1
window 247.2
Kicking, high, indoors..... 345.2
Kyphosis 211.2
Lacrosse, outdoors..... 361.3
Ladders, gymnastics..... 244.3
Launches, power..... 427
Lawn bowls..... 365.5
Lawn hockey..... 363.2
Lawn tennis..... 362.1
Leaders, local organization..... 524

Lectures on P. T. 543
Legal relations of P. T. 013.4
Library 543
Light, hygiene 113.1
Lighting gymnasium 617
Limitations of organization 512
Locker rooms, care of 549.1
construction 613.3
equipment 619.5
Managers, local organization 523
Marching, calisthenics 221.1
Marksmanship 386
Massage 212
Mat work and tumbling 245
Measurements, anthropom 111.1
Medical (curative) gymnas 210
examinations 111.2
Meets 202.2
Membership, local org'n 525
qualifications 525
Military system of P. T. 085
Mind, psychology 120
Minton, outdoors 362.2
Motors, phys. of exercise 112.17
Motor education 112.17
Muscular fatigue, phys. of ex. 112.18
sense 112.17
Muscles, pres. of exercise 112.34
Narcotics, hygiene of nerves 113.8
National methods 515
Navigation, sailing 420
Navy 942
Need of org'n for P. T. 511
of P. T. 012
Nerves, phys. of exercise 112.18
Nervous system, hygiene of 113.8
prescription of ex. 112.35
Nomenclature of aquatics 401
athletics 301
gymnastics 201
of P. T. 033
North America, history P. T. 907
Normal education and training 070
Nutrition, phys. of exercise 112.13
prescription of exercise 112.33
Officers, of club, etc. 523
Organization for P. T., the 500
international methods 514
limitations of 512
local club or association 520
national methods 515
need of 511
relationships of 513
scope of 510
state and district 516
Outdoor games in general 360
Outings, vacations, camps 371
Overwork hygiene 113.61
Paddling, boats 433
Palpitation of heart, prescription of exercise 112.31
Paper chase 370.1
Parallel bars 242
Patent exercisers, home use 280
Pedagogical methods 547
Pedagogy, gymnastic 070
Pedestrianism 373
Periodicals on P. T., American 051
English 052
French 054
General 050
German 053
Scandinavian 056
on aquatics 405
on athletics 305
on gymnastics 205
Persian, history P. T. 903.5
Philosophy in general 010
need 012
play 014
relationships 013
theories 011
Photographs, advertising 541.83
Photography 202.4
Physical director 531
office equipment 619.3
plans 613.1
personal hints to 535
qualifications of 533
relationships of 534
work of 532
Physical examinations 111.2
Physics, physiological 112
Physicians' views of P. T. 013.3
Physiology—animal, vegetable and chemical 112
of exercise 112.1
of growth 112.2
Playgrounds, public 630
school 631
Play, philosophy 014
Plunge baths, construction 613.2
equipment 619.4
Pole vaulting, field 333
Poles, calisthenics 225.3
Poles and ropes, climbing 244.2
Politics, relation to P. T. 013.1
Polo, horse 385
ice 463
roller 264
water 440.3
Posse, system of P. T. 082
Potato races, indoors 342
Practical talks 541.84
Preparatory sch., hist. P. T. 922
Prescription of exercise 112.3
Professionalism in ph. dir. 535.6
in sport 013.1
Prospectus, advertising 541.81

Psychology 120
Public school, history P. T..... 921
Pulley weights 280
Punching bag 231.2
Pyramids 246
Racing, bicycle on track..... 323
horses 384
Rackets 262.3
Records, aquatic..... 402.1
athletic 302.1
gymnastic 202.1
and statistics in org'n 541.7
Recreation, hygiene..... 113.7
Relationships of org'ns..... 513
of P. T., ethical, educational, etc. 013
Religious life, relation to physical and mental..... 130
Religious methods..... 542
Reports go generally under country or people.
Reproduction, phys. of ex..... 112.16
Respiration, phys. of ex..... 112.12
prescription of exercise..... 112.32
Resort, hygiene..... 113.5
Rhythmic action..... 112.17
Rings, gymnastics..... 244.1
Roller polo..... 264
Roman, history of P. T..... 903.7
ladders and pyramids..... 246
Rooms in gym., size, etc..... 612
special in gym. construction.. 613.5
special in gym. equipment... 619.7
Ropes and climbing poles, gymnasium 244.2
Roque, professional croquet..... 365.2
Roundel, calisthenics..... 221.2
Rowing, fixed seat..... 431
sliding seat..... 432
Rules for local organizations..... 521
aquatic sports..... 402.1
athletic sports..... 302.1
gymnastic sports..... 202.1
Running and hurdles to 1-4 mile. 321
cross country..... 370.1
mid. and long dis. indoors... 341
outdoors 322
up to 100 yards, indoors..... 341
Russian, history P. T..... 904.7
Sabre exercises..... 235.2
Sailing or yachting..... 420
Salaried officers, general..... 530
Sales, catalogs..... 024
Scholarship, relation to P. T..... 013.2
School buildings in relation to ex. 610
School hygiene..... 113.5
Schools, hist. P. T., general..... 921
preparatory, hist. P. T..... 922
public, hist. P. T..... 921
Schooners, sailing..... 423
Scoliosis 211.2
Scoring, aquatics..... 402.1
athletics 302.1
gymnastics 202.1
Sculling 434
Seats, school..... 618
Secretion, phys. of exercise..... 112.14
Shot throwing, field..... 334.2
Shooting at mark..... 386
hunting 381
Single stick..... 233.1
Skating 461
Skiing and snowshoeing..... 471
Skin, phys. of exercise..... 112.17
Skipping, calisthenics..... 221.2
Sleep, hygiene of..... 113.7
Sloops, sailing..... 422
Snow-shoeing and skiing..... 471
sports, general..... 470
Social methods..... 544
Sociology as bearing upon social instincts 140
Societies, aquatic only..... 406
athletic only..... 306
gymnastic only..... 206
Specialization in P. T..... 013.6
Spinal curvature, pres. of ex., 112.34, 211.2
Spiritual life as related to physical, mental, etc..... 130
Sporting, in general..... 380
Sports and games, gen. cols. of.. 025
Springboard jumping..... 247.1
Squash 262.5
State methods of work..... 516
Statistics in organization..... 541.7
Sticks, single..... 233.1
walking 233.3
Stimulants, hygiene of nerves.... 113.8
Sub-org'ns in clubs, etc..... 522
Swedish, history P. T..... 904.85
movement cure..... 210
system of P. T..... 082
Swimming 440
Sword, broad..... 235.1
System, Delsarte..... 083
German 081
Military 085
Swedish 082
Y. M. C. A..... 084
Systems in general..... 080
Target shooting..... 386
Taxes, finances..... 541.6
Tea, hygiene..... 113.3
Temperature, hygiene..... 113.1
Tennis courts, material..... 621
outdoors 362.1
Tests, aquatics..... 402.2
athletics 302.2
Tests, gymnastic exhibits..... 202.2

Throwing, weights, etc..... 334
Tobogganing 473
Toilet rooms, construction..... 613.3
Track athletics..... 320
materials for..... 621
Training, general articles on..... 113.77
Training, aquatic events..... 407
athletic events..... 307
gymnastic events..... 207
normal 070
Tug of war, athletics..... 335
Tug of war, indoor athletics..... 347.3
Tumbling and mat work..... 245
United States, history P. T..... 907.3
Universities, history P. T..... 923
Vacations, outings, etc..... 371
Vaulting, fence, bar, etc., indoors 346
pole, field..... 333
Ventilation, gym. bldg..... 617
Voice, phys. of exercise..... 112.17
Volley ball, indoors..... 261.2
Walking, pedestrianism..... 373
Walking stick, defensive exercise 233.3
Wands, calisthenics..... 225.1
Water, as drink..... 113.3
Water closets, construction..... 613.3
equipment 619.5
Water games..... 440.3
Water polo..... 440.3
Weight throwing, indoors..... 347.2
outdoors 334
Weights, pulley..... 280
Will, relation to P. T..... 013.2
Window jumping..... 247.2
Women's dress..... 209.2
exercise 209.3
gymnastic 209.31
athletic 209.32
aquatic 209.33
health 209.1
Wrestling 232
Yachting or sailing..... 420
Y. M. C. A., reports of P. T.... 930
system of P. T..... 084

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P269 Games and Plays.
"Front Duty," 2 lines strive to force each other back. "Bluebird and Cuckoo Bee," child's game. "Hare," center man tries to get out of ring. "Linen Merchant," child's game. "Black Man," 2 goals, black man tags.
Mind and Body, I., 11: 16, January, 1895.

P269 "Bandy," Sides 20 feet apart bat ball through off side with wand. "Siege," aim to catch and take as prisoners. "Squirrel Game," small children.
Mind and Body, I., 7: 16, September, 1894.

P269 "Baste the Bear," one acts as bear on hands and knees, master strives to keep off intruders; first one caught becomes bear. "Ball Tag," struck against wall. "Bound Ball," good. "Guess Ball," two lines, good.
Mind and Body, I., 10: 16, December, 1894.

P269 "Mount Ball" (Rider Ball), one acts as pony, other group as riders. "Squat Tag," men in single or double circle, "tagger" passes in and out of circle. "Running for Places," circle game.
Mind and Body, I., 6: 16, August, 1894.

P269 "Friend and Foe," popular for stronger youth. "Prison Bars," good.
Mind and Body, I., 5: 15, 16; II., 20: 158, October, 1895.

P269 "Square Ball," throwing ball or bean bag at players in center of square.
Mind and Body, I., 9: 11, November, 1894.

P269 "Wand Push" or Pull. "Pulling with Strap Handles." "Foot in Ring," 24 inch ring; one player strives to retain one foot in ring. "Pole Pushing or Pulling," 4 to 6 boys.
Mind and Body, II., 17: 100, July, 1895.

P269 "Floating Feather," girls blow and keep up feather in circle. "Ring Tossing," boys and girls; rings different sizes; even sides. "Sack Game," boys and girls form circle, pass dumb bells, etc.
Mind and Body, I., No. 2, p. 13, April, 1894.

P269 "Ruth and Jacob," circle center ones, blindfolded, boys and girls. "Cat and Mice," ring, grasp hands, one player inside, other outside; cat tries to catch mouse. "Garden Scamp," both players start in ring, boys.
Mind and Body, I., No. 2, p. 13, April, 1894.

P269 "Center Ball," circle in center and one less than number of men outside; ball lifted from center with sticks, then all run for a circle.
Mind and Body, II., 13: 18, March, 1895.
"Catch Ball," center player tries to catch ball or makes

others drop. "Lock and Key," one set tries to break grasp of other set.

Mind and Body, II., 18: 118, August, 1895.

P269 "Sack Play," a bean bag game.

Mind and Body, II., 18: 77.

"Wrestling Rings," circle of players pull each other so as to knock over club in center. "Out-Hopping Game," 5 players in ring; 4 strive to hop 5th out of ring.

Mind and Body, II., 17: 99, July, 1895.

P269 "Sculptor," Girls, pupils arranged in various positions. "Seeking Cover," one relates story, at climax "crashed," all seek cover, the last one to secure cover is next narrator. "Link Chase," boys and girls.

Mind and Body, I., 3: 15, May, 1894.

P269 "Bear in the Ring," player strives to break out of ring.

Mind and Body, III., 26: 38.

P269 "Fox and Hens," fox stands between two goals, rides home the one caught. "Battering Ram," player inside circle tries to break out. "Cross Tag."

Cook Co. Normal School.

Mind and Body, III., 25: 17, March, 1896.

P269 "Wood Tag," one more player than positions. "Ring Game," passing ring on a line held by circle of players. "Dare Base," bases at each end of field, dare base in middle. "Giant Ball" (Roller Ball), 3 feet in diameter.

Mind and Body, III., 26: 36, 37.

P269 "Sack Tally," throwing bean bags into suspended sacks. "London Bridge."

Mind and Body, II., 21: 177, 178, November, 1895.

"Skip Away," one player tap another in circle, they run in opposite directions for opening.

Mind and Body, II., 24: 242.

P269 "Stake Guard" (Duck on Rock). "Ball Tossing Games," pupil in center tries to get ball. "Ball Play," practice methods of catching.

Mind and Body, II., 19: 136, September, 1895.

P269 "Tip-Up," center player of circle tosses ball up, all others do same. "Toss-up Toss-over," variation of above. "Center Base," center tosses bag to player, who must place in center, then tag center one. "Sheep-bah," shepherd calls name of sheep, if sheep reaches pen first and pulls out stake, is free.

Mind and Body, III., 28: 82, July, 1896.

P269 "Leg of Mutton," pile up hands, pull out bottom one. "Strike a Mark," blindfolded. "Tugging Game," two groups face each other grasping waists. "Stick Wrestling."

Mind and Body, II., 20: 158.

P269 Three High (or Deep). Boys and girls. Gives six variations.
Mind and Body, I., 1: 13.
"Group Play," like "Puss in Corner."
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P269 Hang Tag, a gymnasium game.
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P269 Some Simple Gymnastic Games. Report of Committee. Slap Jack, Cat and Mouse, Stand Ball, Third on the Go, Black Man, Ball Hunt.
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